

Latest information for three COVID-19 vaccines



Basic information and latest news (as of May 1, 2021)

Vaccine type	mRNA	mRNA	Adenovirus
Safety and effectiveness	<ul style="list-style-type: none"> 100% effective in preventing death and hospitalization Phase 3 trial efficacy of 95% Efficacy consistent across age, gender, race, and ethnicity EUA safety milestone required by FDA met 	<ul style="list-style-type: none"> 100% effective in preventing death and hospitalization Phase 3 trial efficacy of 94.1% Preliminary research suggest broadly consistent safety and efficacy across all evaluated subgroups 	<ul style="list-style-type: none"> 100% effective in preventing death and hospitalization 85% effective in preventing severe disease; 72% effective in preventing moderate-to-severe COVID-19 EUA safety milestone required by FDA met
EUA and eligibility information	<ul style="list-style-type: none"> Per EUA, available for ages 12 and up 	<ul style="list-style-type: none"> Per EUA, available for ages 18 and up 	<ul style="list-style-type: none"> Per EUA, available for ages 18 and up Women younger than 50 years old should be aware of rare risk of blood clots with low platelets after receiving the J&J vaccine
Estimated quantities and timelines	<ul style="list-style-type: none"> Up to 50 M doses in 2020 Up to 1.3 B doses by end of 2021 	<ul style="list-style-type: none"> Up to 20 M doses in 2020 500 M to 1 B doses by end of 2021 	<ul style="list-style-type: none"> Up to 100 M doses by end of May 2021
Order size information	6 dose vials, available in order 1,170- and 450-dose trays (latter are limited)	14 dose vials, minimum order 140 doses	5 dose vials, minimum order 100 doses

Administration information

Doses; days apart	2; 21 days (4-day grace period from day 17-21)	2; 28 days	1
On site mixing?	Yes, mix with provided diluent	No (no diluent required)	No (no diluent required)
Storage requirements	Long-term, must be stored at -75° (+/- 15°) C (up to 6 months); can be stored in thermal shipping container up to 30 days with re-icing every 5 days (dry ice); standard freezing for up to two weeks; use within 5 days of thawing (2° - 8°C); thawed vaccine cannot be refrozen	Long-term, must be stored at -15° to -25° C (up to 6 months); use within 30 days of thawing (2° - 8°C); room temperature for vaccination (up to 12 hours); thawed vaccine cannot be refrozen	Standard refrigeration (2° - 8°C) for up to three months; room temperature up to 12 hours